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İ	The Files	20 September 1956
25X1A9A		
25X1A5A1	Trip Report to	and others
5X1 5X1	1. An initial visit was made to to during the afternoon tion with	on of 6 September 1956, in connec-
25X1A		
25X1A5A1	the contractor is allowed 18 months from the development activity and for shipment contract cost is approximately \$180,000 directed toward the execution of the Tarand August. One mechanical engineer was September 1956. The contractor's reason ment activity were expressed as difficultied engineers for the work and some organization into a new engineering laboratory assign senior engineers to the project atronic engineering personnel. A develop various components of the AS-3. An initiatus. The contractor was instructed to officer in writing, advising of his components of the senior components.	nt of the deliverable items. The The contractor made no progress sk Order during the months of July s assigned to the project on 4 ns for failure to initiate develop- lties encountered in hiring quali- ganizational disruption due to y building. The company has yet to as well as additional full time elec- pment schedule must be made for the tial bi-monthly progress report is submit a report to the Contracting
25X1A5A1 25X1A5A1 25X1A5A1	3. a former project with the This visit permitted a discussion with providing a transisterized power supply has just completed the design of the 100 the company plans to manufacture as a prat 7000 units per year. The unit will r in aircraft. The specifications for the ment require operation from -40 to -80 d. The efficiency, 93 per cent, is uncommon transistorized power supply for the RS-1	o watt transistor power supply which reprietary item with production set replace a 26 volt dynamotor standard transistorized dynamotor replace-legrees centigrade (174 degrees F).

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for the transmitter from a 12 volt source would require a volume of 10 cubic inches or about 1/3 the size of the present EA-1315/U. This inquirey was based on a rather general thought that eventually all communications equipment will be capable of being powered from a 12 volt storage battery or other 12 volt source (i.e., a thermo electric or solar generator).

		battery or other 12 volt source (1.e., a thermo electric or solar generator).			
		4. A visit was made to the			
	25X1A [during the morning of 7 September 1956 in connection with Present were: 25X			
25X1					
	25X1A5A1	25X1A5A1 5. had advised earlier of an improved key click filter design (inspired by the laboratory) to reduce key click radiation. The undersigned delivered five transmitters for modification. engineers demonstrated a "Before and After" modification radiation test, the results of which indicated a positive improvement. Acceptance tests will be made by the R&D Laboratory whose test methods are more rigorous. The five sets were modified and returned to the undersigned.			
	25X1A5A1 25X1A5A1	to eliminate spurious responses occuring at HFO harmonics. The company was advised that spurious response tests had not been made on the "B" receiver to date, and that it may also be necessary to make this same change on the "B" units was requested to hold these two re-			
	25X1A5A1 25X1A5A1	the logging scale in lieu of the dial for frequency identification. A frequency tuning and resetability accuracy of 20 kc/s was anticipated. Receiver tuning would then be accomplished by reference to a chart of frequency versus logging scale graduations. The chart would be permanently attached to the receiver case. This method of receiver tuning is			
	25X1A5A1				

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25X1A5A1	units acceptable to us. The undersigned expressed the opinion that it did not seem practicable to calibrate each set in production for a 20 kc/s tuning accuracy necessitating the need for an individual chart for each receiver said he planned to average out calibration data from several receivers to determine if calibration accuracy requirements could be met with averaged figures for a single receiver chart.				
25X1A					
	10. was visited on EVANENA				
	10. was visited on 5X1A5A1 10 September 1956. This company was visited for the purpose of discussing the ET-2 electro-mechanical keyer does work for TSS and haz5X1A5A1 a full contractual elearance. Present for a discussion of the ET-2 keyer were:				
25X1A					
25X1A5A	to undertake a study of the equipment to see what might be done to improve its reliability. The undersigned agreed to provide with an 25×1A5A1 abstract copy of an evaluation report on the unit when available, and suggested that the company consider a three phase proposal to include a short study phase of approximately one month. The study phase should be included with recommendations for phase two improvement of the equipment to establish reliability without major modification and a phase three program				
25X1A5A	calling for repackaging of the unit for brief-case dimensions. These similar suggestions were also made (paragraph 7 above) at the25X1A5A1 on Friday. Following the equipment demonstration, the undersigned made a tour of the plant. The specializes in the development and manufacture of training devices which incorporate slow speed electronic and mechanical analogue computers. The 25X1A5A1				

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25X1A5A	company was completing a shipment of 13 pilot trainers to the Air Force and has under development a sonar training device for training service personnel in identifying and tracking waterborn craft without going to sea. The company is also developing a training device for truck drivers. has had no experience with miniaturization techniques nor with transmitters. The efficiency of the plant and the quality of the work were impressive.					
				25X1A9A		
	OC-E/R&D-EP/CEM:wlm	(20 September 1956)				
-	cc: Monthly Report (2) RMD Subject File OC-O&T OC-E Dev-en					